

INTERPRETATION TABLE												
HLA-B*38 SSP subtyping												
Amplification patterns of the B*38:01 to 38:30 alleles												
	Well ⁶											
	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	185	190	170	105	210	170	160	185	145	85	90	90
PCR product(s)							205	230	205	145	145	
Length of int. pos. control ¹	800	800	800	1070	1070	800	800	800	1070	1070	1070	800
5'-primer(s) ²	103	142	142	246	142	142	142	103	206	142	246	246
	5'-CCT ³	5'-TCT ³	5'-TCT ³	5'-gAA ³	5'-TCT ³	5'-TCT ³	5'-TCT ³	5'-CCg ³	5'-gAC ³	5'-TCA ³	5'-gAA ³	5'-gAA ³
							382	346	382	193	463	483
							5'-TgC ³	5'-ggC ³	5'-TgC ³	5'-CCA ³	5'-TgA ³	5'-gAg ³
								355		206	660	
								5'-TCA ³		5'-gAC ³	5'-gAA ³	
								363				
								5'-AAT ³				
3'-primer(s) ³	246	292	272	309	309	272	259	246	309	246	296	292
	5'-TAT ³	5'-gTA ³	5'-TgC ³	5'-ATC ³	5'-gTg ³	5'-Tgg ³	5'-CTC ³	5'-TAT ³	5'-ATC ³	5'-TAT ³	5'-CTA ³	5'-gTC ³
	246	292					544	544	544		559	292
	5'-TAT ³	5'-gTA ³					5'-ggT ³	5'-ggT ³	5'-ggT ³		5'-CAT ³	5'-gTC ³
		292									774	544
		5'-gTA ³									5'-ggT ³	5'-ggT ³
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
HLA-B allele												
Length of spec.	185	190	170	105	210	170	160	185	145	85	90	90
PCR product(s)							205	230	205	145	145	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

*38:01:01, 38:01:03-38:01:05	1	2	3	4									
*38:01:02	1	2	3	4									
*38:02:01-38:02:02	1	2	3		5								
*38:02:03		2	3		5								
*38:03	1				5	6	7						12
*38:04		2	3		5		7						
*38:05		2	3	4				8					
*38:06		2							9				
*38:07	1	2							9	10			
*38:08	1	2	3		5						11		
*38:09	1	2	3	4								12	
*38:10	1	2	3	4									
*38:11, 38:19 ⁴	1	2	3	4									
*38:12	1	2	3	4						10			
*38:13	1		3	4							11		
*38:14	1		3	4								12	
*38:15	1	2	3		5			8					
*38:16	1			4						10			
*38:17, 39:37 ⁵	1	2	3										
*38:18	1	2	3		5						11		
*38:20	1	2	3	4				8					
*38:21	1	2	3	4			7		9				
*38:22	1	2	3	4				8					
*38:23	1	2	3		5								
*38:24	1	2	3	4									
*38:25		2	3				7						
*38:26	1			4								12	
*38:27	1	2	3	4									
*38:28	1			4									
*38:29	1	2	3		5								
*38:30	1	2	3	4									
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	

Length of spec.	185	190	170	105	210	170	160	185	145	85	90	90
PCR product(s)							205	230	205	145	145	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*07:02:01-07:12, 07:14-07:15, 07:17-07:24, 07:26, 07:28-07:36, 07:39-07:47, 07:49N, 07:52-07:55, 07:57-07:68:02, 07:70-07:71, 07:73-07:74, 07:76-07:84, 07:86-07:90, 07:92-07:109, 07:111N-07:130, 08:20, 08:53, 13:16, 13:20, 13:31, 14:21, 15:01:01:01-15:01:04, 15:01:06-15:02:05, 15:04, 15:06-15:08, 15:11:01-15:17:02, 15:19, 15:21, 15:24-15:28, 15:30, 15:32-15:36, 15:38:01-15:40, 15:42-15:46, 15:50, 15:53, 15:56-15:58, 15:60, 15:63, 15:65-15:67, 15:70, 15:73, 15:76-15:79N, 15:81-15:82, 15:85, 15:87, 15:89, 15:92, 15:94N-15:97, 15:101-15:102, 15:104, 15:106, 15:109-15:110, 15:112-15:113, 15:116-15:118, 15:120-15:122, 15:125-15:126, 15:128-15:129, 15:135, 15:137-15:144, 15:146-15:150, 15:152, 15:154, 15:157, 15:159-15:160, 15:163-15:172, 15:174, 15:177-15:178, 15:180-15:184, 15:187, 15:190N-15:196, 15:201-15:209N, 15:211-15:217, 15:219, 15:223, 27:04:01-27:04:03, 27:06, 27:10, 27:15, 27:20-27:21, 27:24-27:25, 27:40, 27:54, 27:63, 27:66N, 27:68-27:69, 27:79, 35:11:01-35:11:02, 35:14:01-35:14:02, 35:21, 35:43:01-35:44, 35:58, 35:67, 35:79, 35:86, 35:96, 35:99, 35:102, 35:117-35:118, 35:135, 40:15-40:16, 40:23, 40:32, 40:51, 40:158, 44:76, 44:79, 46:01:01-46:05, 46:07N-46:08, 46:10, 46:12, 46:14-46:17, 46:20, 46:22-46:24, 46:27, 49:01:01-49:02, 49:04-49:10, 49:12-49:17, 50:01:01-50:02, 50:04-50:13, 51:78, 51:104, 51:112, 52:02, 52:20, 54:06, 54:20, 55:01:01-55:01:07, 55:03, 55:05, 55:09, 55:11, 55:14-55:15, 55:17, 55:21, 55:24-55:25, 55:28-55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 55:44-55:45, 56:03, 56:05:01-56:06, 56:21, 56:25, 56:32, 57:13, 57:22, 78:01-78:03, 78:05-78:07												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

Length of spec.	185	190	170	105	210	170	160	185	145	85	90	90
PCR product(s)							205	230	205	145	145	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*07:13, 07:110												
*07:16, 07:37-07:38, 07:75, 07:91		2										
*07:27		2				6						
*07:50, 18:15, 18:19, 18:21, 18:30, 18:57		2				6						
*07:56, 07:72												
*07:69, 07:85, 14:02:03, 14:02:06			3									
*08:02					5							
*08:03, 08:23, 35:25, 35:124-35:125, 35:142		2										
*08:04, 18:01:02, 18:03						6						
*08:17						6	7					
*08:26, 08:56, 41:12												
*08:38							7					
*08:49, 13:46, 15:83, 15:179, 15:218Q, 27:47, 35:38, 35:115, 42:10, 44:02:01-44:02:18, 44:05:01-44:05:02, 44:08-44:09, 44:11-44:12, 44:14-44:25, 44:27:01-44:27:02, 44:33-44:34, 44:41:01-44:42, 44:44, 44:48-44:49, 44:51-44:52N, 44:55, 44:58N-44:59, 44:62-44:63, 44:66-44:68, 44:70-44:73, 44:75, 44:78, 44:80, 44:83-44:84, 44:86-44:91, 44:93, 44:95, 44:97, 44:99-44:102, 44:104, 44:106, 44:112-44:113, 44:116-44:119, 44:123, 44:126-44:127, 45:01-45:13, 56:13, 57:24, 82:01-82:03, 83:01												
*08:54, 15:91, 15:123, 15:151, 40:12, 48:22		2				6	7					
*08:55, 67:02												
*08:65			3									
*13:14, 18:29, 27:01, 27:23, 27:29, 27:44, 35:50, 35:84, 40:02:01-40:04, 40:06:01-40:06:03, 40:08-40:09, 40:11:01-40:11:02, 40:13, 40:18-40:20, 40:24, 40:27:01-40:27:02, 40:29, 40:35, 40:37, 40:39-40:40, 40:44, 40:56, 40:64, 40:68, 40:70-40:71, 40:74-40:75, 40:78, 40:82-40:83, 40:85-40:86, 40:89-40:91, 40:93-40:94, 40:96-40:97, 40:99, 40:103-40:105, 40:107, 40:109, 40:111, 40:115, 40:119-40:120, 40:122, 40:127, 40:131, 40:133Q, 40:142N-40:145, 40:157, 40:159, 40:162, 44:103, 48:02:02, 57:10												
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	185	190	170	105	210	170	160	185	145	85	90	90
PCR product(s)							205	230	205	145	145	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12

*14:01:01-14:01:02, 14:07N-14:08, 14:10, 14:12, 14:19, 39:36	1		3										12
*14:02:01-14:02:02, 14:02:04-14:02:05, 14:03, 14:05-14:06:02, 14:09, 14:11, 14:13, 14:15-14:17, 14:20, 14:22-14:23			3					8					12
*14:04			3					w					12
*14:14	1	2	3										
*14:18		2	3					8					
*14:24			3										12
*15:03:01-15:03:03, 15:47, 15:54, 15:62, 15:98, 15:103, 15:127, 15:131-15:132, 15:156, 15:158, 15:173, 15:210, 52:16		2				6	7						
*15:09-15:10:02, 15:18:01-15:18:04, 15:23, 15:37, 15:72, 15:80, 15:90, 15:93, 15:99, 15:108, 15:119, 15:133-15:134, 15:153, 15:161, 15:197-15:198, 15:221		2	3										
*15:29		2											
*15:49, 15:74		2					7						
*15:51		2	3										
*15:52, 15:114, 15:124, 15:176, 15:200		2	3										
*15:61						6	7						
*15:64		2				6							
*15:68, 37:07, 48:05, 48:08, 48:15, 48:25		2				6	7						
*15:69		2				6	7						
*15:71, 15:175, 27:18, 40:05, 40:26, 40:28, 40:95, 40:98, 40:148, 40:161													
*15:115		2	3		5								
*15:186		2	3										
*15:189								8					12
*15:199, 57:09													
*18:01:01, 18:01:03-18:01:12, 18:02, 18:05-18:06, 18:08, 18:10-18:11, 18:13-18:14, 18:17N-18:18, 18:20, 18:22-18:24, 18:26-18:28, 18:31-18:32, 18:34-18:55, 18:58-18:63, 48:16		2				6							
*18:01:13, 18:25		2				6							
*18:07:01-18:07:02, 35:162, 48:06		2											
*18:09		2			5	6							
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	
Length of spec.	185	190	170	105	210	170	160	185	145	85	90	90	
PCR product(s)							205	230	205	145	145		
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	
*18:12, 37:02, 37:09, 37:12, 40:149, 42:11, 48:01:01-48:02:01, 48:03:01-48:04, 48:07, 48:09-48:14, 48:17-48:21, 48:23-48:24		2				6	7						
*18:33		2	3										
*18:56, 37:08		2				6							
*35:26, C*02:02:07, C*05:01:06								8					

*35:35								8				
*37:01:01-37:01:07, 37:03N-37:06, 37:11, 37:14-37:20, 37:23-37:25, 37:27-37:29		2				6	7					
*37:10		2				5	6	7				
*37:13		2					6	7				
*37:21, 37:26		2						7				
*37:22												
*39:01:01:01-39:01:01:02L, 39:01:03, 39:01:05-39:01:08, 39:01:10-39:01:12, 39:06:01-39:06:02, 39:09, 39:26-39:28, 39:38Q, 39:40N-39:41, 39:44, 39:46, 39:48, 39:51, 39:53, 39:57, 39:59-39:62	1		3									12
*39:01:04	1		3									
*39:01:09, 39:19:01			3									
*39:02:01	1					6	7					12
*39:02:02, 39:23						6	7					
*39:03, 39:14, 39:24:01-39:24:02	1		3									12
*39:04			3					8				12
*39:05:01-39:05:02, 39:11, 39:56	1	2	3									
*39:07, 39:55	1	2	3									
*39:08	1	2				6	7					
*39:10, 39:16, 67:01:02												
*39:12, 39:45			3									12
*39:13:01-39:13:02		2				6	7					
*39:15	1		3									12
*39:18, 39:35	1		3									12
*39:19:02	1		3						10			12
*39:20		2										
*39:22	1		3				7					12
*39:25N, 39:30, 39:32-39:34, 39:43, 39:47, 39:50	1		3									12
*39:29	1		3									12
*39:31	w		3									12
*39:39	1					6						12
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
Length of spec.	185	190	170	105	210	170	160	185	145	85	90	90
PCR product(s)							205	230	205	145	145	
Well No.	1	2	3	4	5	6	7	8	9	10	11	12
*39:42	1		3					8				12
*39:49		2				6	7					
*39:52, 39:54, 39:58, 67:01:01, 67:03	1											12
*39:63												
*40:10:01-40:10:02, 40:21, 40:58, 40:137												
*44:06, 51:08, 51:20, 51:44N, 51:97, 52:19, 53:22									9			
*44:130		2				5	6	7				
*49:03									9			

*51:01:01-51:04, 51:06:01-51:07:02, 51:11N-51:14, 51:16-51:18, 51:21-51:24:04, 51:26-51:30, 51:32-51:35, 51:37-51:39, 51:41N, 51:43, 51:45-51:46, 51:48-51:52, 51:55-51:56:02, 51:58-51:72, 51:74-51:77, 51:79-51:80, 51:82-51:92, 51:94-51:96, 51:98N-51:100, 51:102, 51:105-51:107, 51:109-51:111, 51:113, 52:01:01:01-52:01:09, 52:04-52:09, 52:11-52:15, 52:17-52:18, 52:21-52:24, 53:06, 53:08:01-53:08:02, 58:06, 58:08, 58:19										9			
*51:05, 51:09:01-51:10, 51:15, 51:19, 51:31, 51:40, 51:42, 51:53, 51:73, 51:81, 51:93, 51:108, 52:03, 52:10, 53:01:01-53:02, 53:04-53:05, 53:07, 53:10, 53:14-53:20, 53:23-53:24, 58:01:01-58:02, 58:04-58:05, 58:07, 58:09-58:11, 58:13-58:16, 58:18, 58:21-58:34										9			
*51:36										9			
*51:57, 51:103										9			
*51:101										9			
*53:21										9			
*58:12		2								9			
*58:20										9			
HLA-B allele													
Well No.	1	2	3	4	5	6	7	8	9	10	11	12	

13		15									*38:01:01, 38:01:03-38:01:05
		15									*38:01:02
13		15									*38:02:01-38:02:02
13		15									*38:02:03
13											*38:03
13		15									*38:04
13											*38:05
13		15									*38:06
13		15									*38:07
		15									*38:08
13		15									*38:09
	14	15									*38:10
13		15	16								*38:11, 38:19 ⁴
13		15									*38:12
13											*38:13
13											*38:14
13		15									*38:15
13		15									*38:16
13		15	16								*38:17, 39:37 ⁵
13		15									*38:18
13		15									*38:20
13		15									*38:21
		15									*38:22
13		15		17							*38:23
13		15			18						*38:24
13		15									*38:25
13											*38:26
13		15				19					*38:27
13		15					20				*38:28
		15							22		*38:29
		15						21			*38:30
13	14	15	16	17	18	19	20	21	22		Well No.

175	170	230	220	230	65	140	265	115	175	Length of spec.	
			350							PCR product(s)	
			425								
13	14	15	16	17	18	19	20	21	22	Well No.	
	14									*07:02:01-07:12, 07:14-07:15, 07:17-07:24, 07:26, 07:28-07:36, 07:39-07:47, 07:49N, 07:52-07:55, 07:57-07:68:02, 07:70-07:71, 07:73-07:74, 07:76- 07:84, 07:86-07:90, 07:92-07:109, 07:111N-07:130, 08:20, 08:53, 13:16, 13:20, 13:31, 14:21, 15:01:01:01-15:01:04, 15:01:06-15:02:05, 15:04, 15:06-15:08, 15:11:01-15:17:02, 15:19, 15:21, 15:24- 15:28, 15:30, 15:32-15:36, 15:38:01-15:40, 15:42- 15:46, 15:50, 15:53, 15:56-15:58, 15:60, 15:63, 15:65-15:67, 15:70, 15:73, 15:76-15:79N, 15:81- 15:82, 15:85, 15:87, 15:89, 15:92, 15:94N-15:97, 15:101-15:102, 15:104, 15:106, 15:109-15:110, 15:112-15:113, 15:116-15:118, 15:120-15:122, 15:125-15:126, 15:128-15:129, 15:135, 15:137- 15:144, 15:146-15:150, 15:152, 15:154, 15:157, 15:159-15:160, 15:163-15:172, 15:174, 15:177- 15:178, 15:180-15:184, 15:187, 15:190N-15:196, 15:201-15:209N, 15:211-15:217, 15:219, 15:223, 27:04:01-27:04:03, 27:06, 27:10, 27:15, 27:20-27:21, 27:24-27:25, 27:40, 27:54, 27:63, 27:66N, 27:68-27:69, 27:79, 35:11:01-35:11:02, 35:14:01-35:14:02, 35:21, 35:43:01-35:44, 35:58, 35:67, 35:79, 35:86, 35:96, 35:99, 35:102, 35:117- 35:118, 35:135, 40:15-40:16, 40:23, 40:32, 40:51, 40:158, 44:76, 44:79, 46:01:01-46:05, 46:07N-46:08, 46:10, 46:12, 46:14-46:17, 46:20, 46:22-46:24, 46:27, 49:01:01-49:02, 49:04-49:10, 49:12-49:17, 50:01:01-50:02, 50:04-50:13, 51:78, 51:104, 51:112, 52:02, 52:20, 54:06, 54:20, 55:01:01-55:01:07, 55:03, 55:05, 55:09, 55:11, 55:14-55:15, 55:17, 55:21, 55:24-55:25, 55:28-55:29, 55:31, 55:33, 55:36, 55:38, 55:40, 55:44-55:45, 56:03, 56:05:01- 56:06, 56:21, 56:25, 56:32, 57:13, 57:22, 78:01- 78:03, 78:05-78:07	
13	14	15	16	17	18	19	20	21	22	Well No.	

175	170	230	220	230	65	140	265	115	175	Length of spec.	
			350							PCR product(s)	
			425								
13	14	15	16	17	18	19	20	21	22	Well No.	
	14		16							*07:13, 07:110	
	14	15								*07:16, 07:37-07:38, 07:75, 07:91	
	14	15	16							*07:27	
	14	15								*07:50, 18:15, 18:19, 18:21, 18:30, 18:57	
	14						20			*07:56, 07:72	
	14									*07:69, 07:85, 14:02:03, 14:02:06	
										*08:02	
										*08:03, 08:23, 35:25, 35:124-35:125, 35:142	
										*08:04, 18:01:02, 18:03	
										*08:17	
							20			*08:26, 08:56, 41:12	
										*08:38	
								21		*08:49, 13:46, 15:83, 15:179, 15:218Q, 27:47, 35:38, 35:115, 42:10, 44:02:01:01-44:02:18, 44:05:01-44:05:02, 44:08-44:09, 44:11-44:12, 44:14-44:25, 44:27:01-44:27:02, 44:33-44:34, 44:41:01-44:42, 44:44, 44:48-44:49, 44:51-44:52N, 44:55, 44:58N-44:59, 44:62-44:63, 44:66-44:68, 44:70-44:73, 44:75, 44:78, 44:80, 44:83-44:84, 44:86-44:91, 44:93, 44:95, 44:97, 44:99-44:102, 44:104, 44:106, 44:112-44:113, 44:116-44:119, 44:123, 44:126-44:127, 45:01-45:13, 56:13, 57:24, 82:01-82:03, 83:01	
										*08:54, 15:91, 15:123, 15:151, 40:12, 48:22	
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